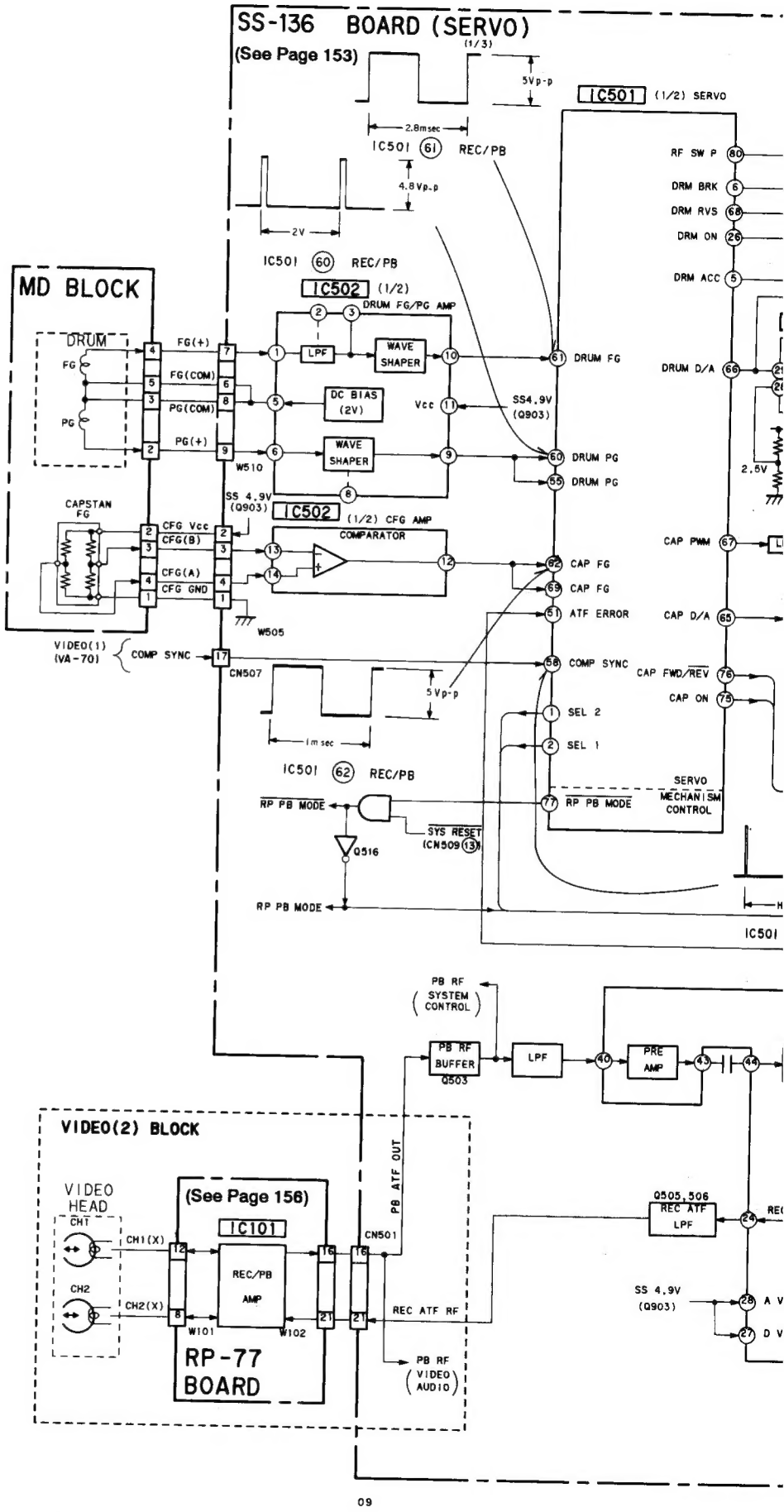
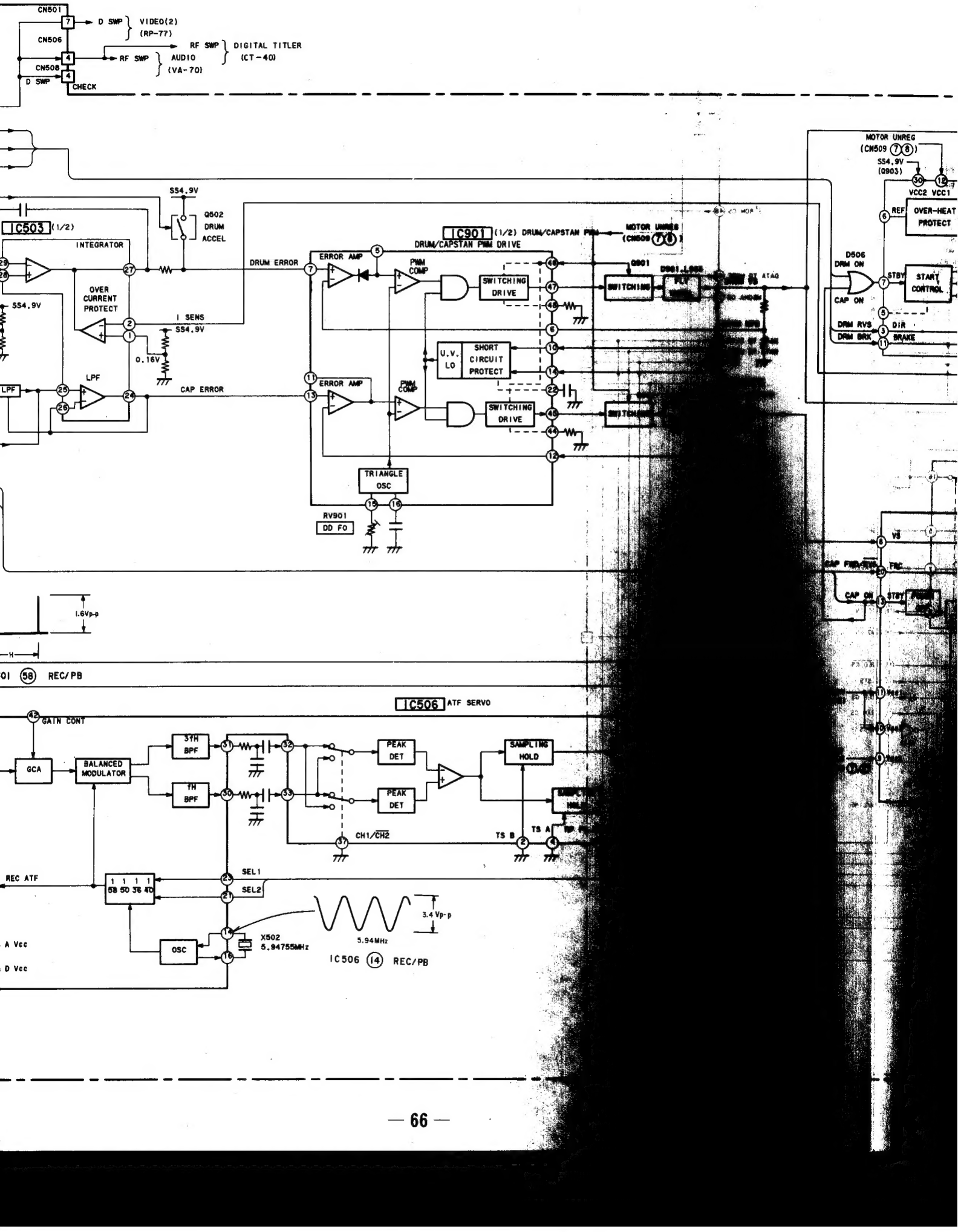
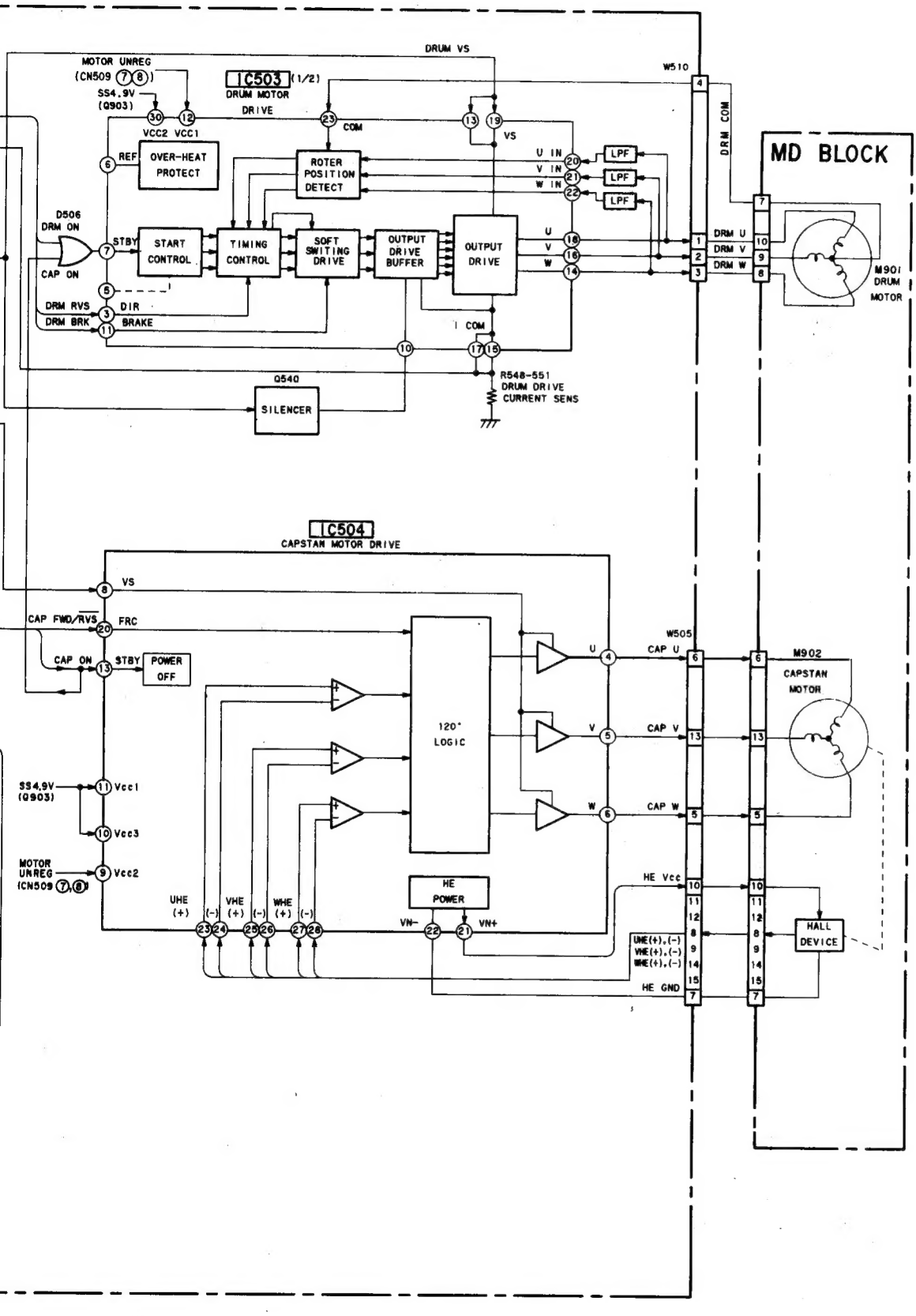
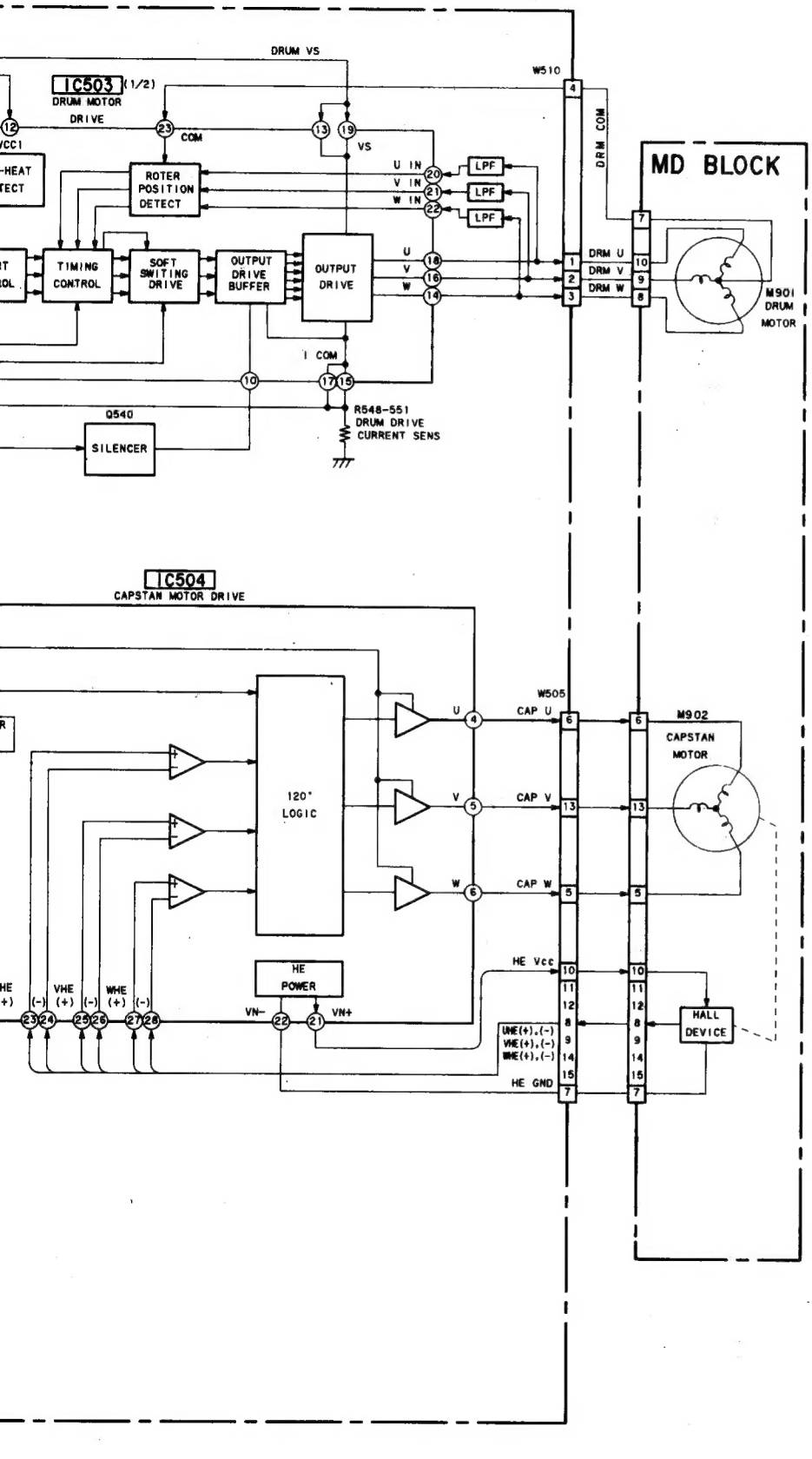
3-9. SERVO BLOCK DIAGRAM

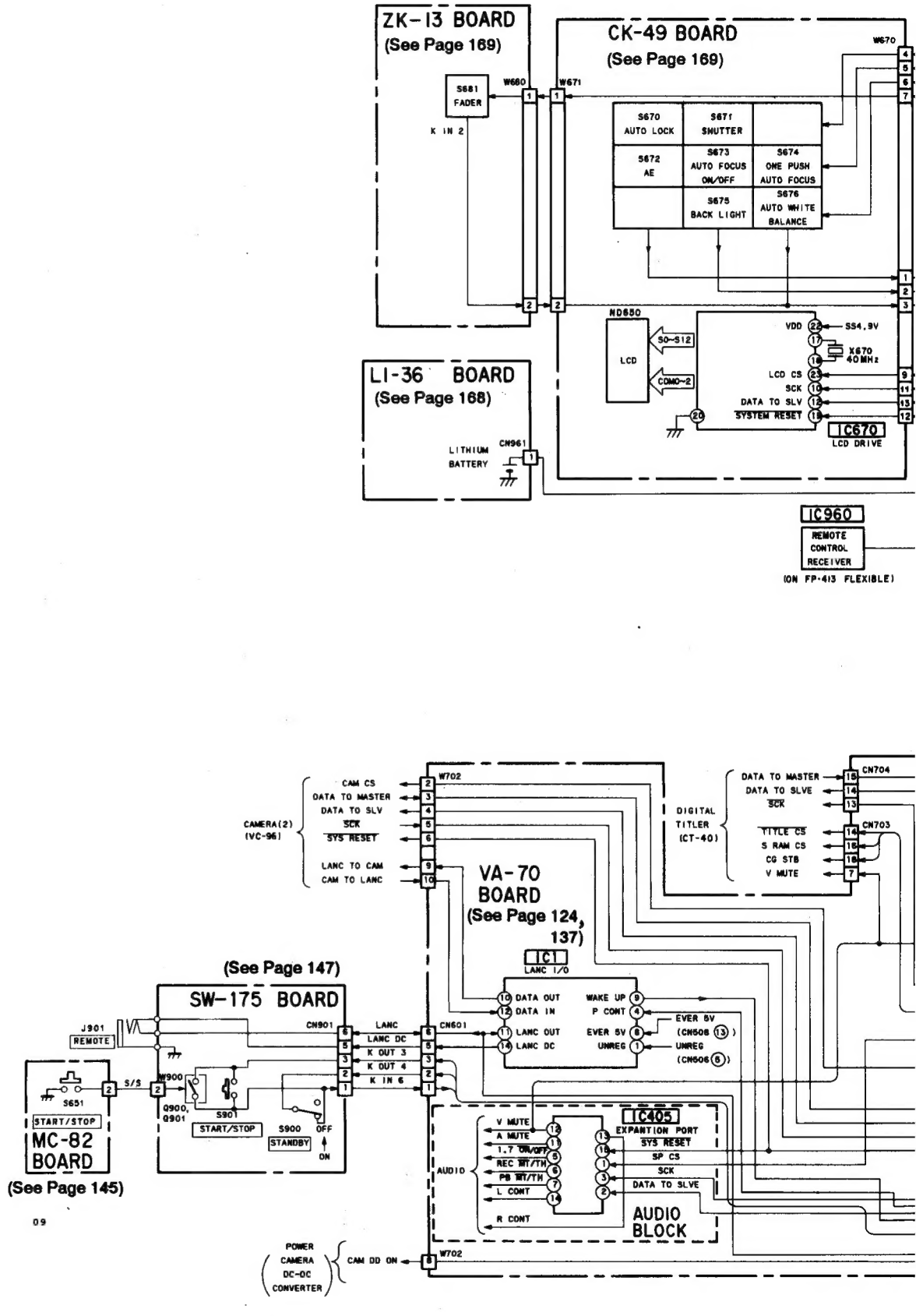


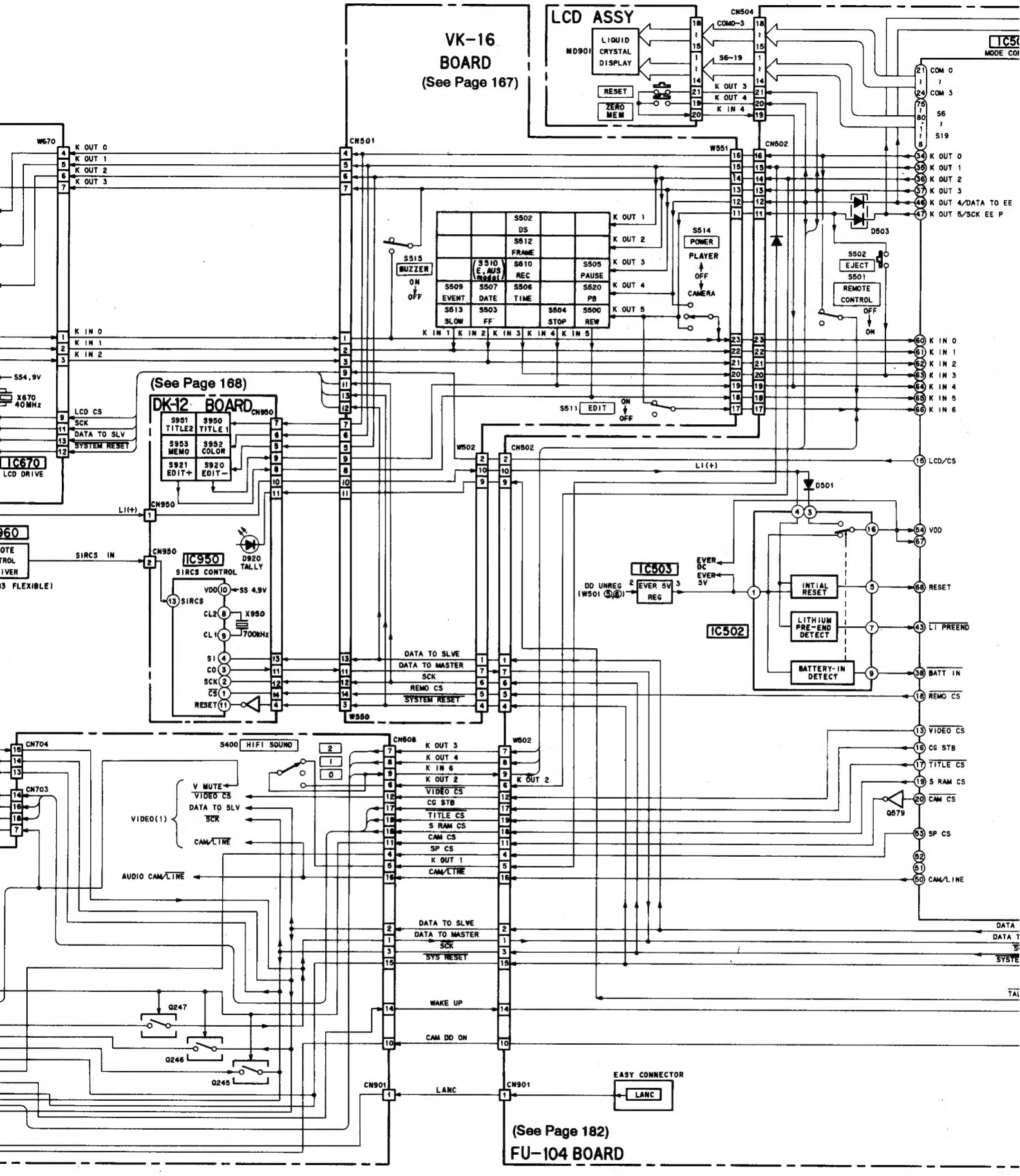

CN501
D SWP
VIDEO(2)
(RP-77)
CN506
RF SWP
DIGITAL TITLER
(CT-40)
CN508
RF SWP
AUDIO
(VA-70)
D SWP
CHECK
S54.9V
Q502
DRUM
ACCEL
IC503 (1/2)
INTEGRATOR
OVER
CURRENT
PROTECT
I SENS
S54.9V
0.16V
LPF
CAP ERROR
DRUM ERROR
ERROR AMP
PWM
COMP
IC901 (1/2) DRUM/CAPSTAN PWM
DRUM/CAPSTAN PWM DRIVE
SWITCHING
DRIVE
U.V.
LO
SHORT
CIRCUIT
PROTECT
TRIANGLE
OSC
RV901
DD FO
MOTOR UNREG
(CN509 7 8)
S54.9V
(Q903)
VCC2 VCC1
REF
OVER-HEAT
PROTECT
D506
DRM ON
CAP ON
START
CONTROL
STBY
DRM RVS
DRM BRK
DIR
BRAKE
1.6Vp-p
H
REC/PB
IC506 ATF SERVO
GAIN CONT
GCA
BALANCED
MODULATOR
5TH
BPF
7H
BPF
PEAK
DET
SAMPLING
HOLD
CH1/CH2
TS B
TS A
REC ATF
SEL1
SEL2
OSC
X502
5.94755MHz
3.4 Vp-p
5.94MHz
IC506 (14) REC/PB
A Vcc
D Vcc

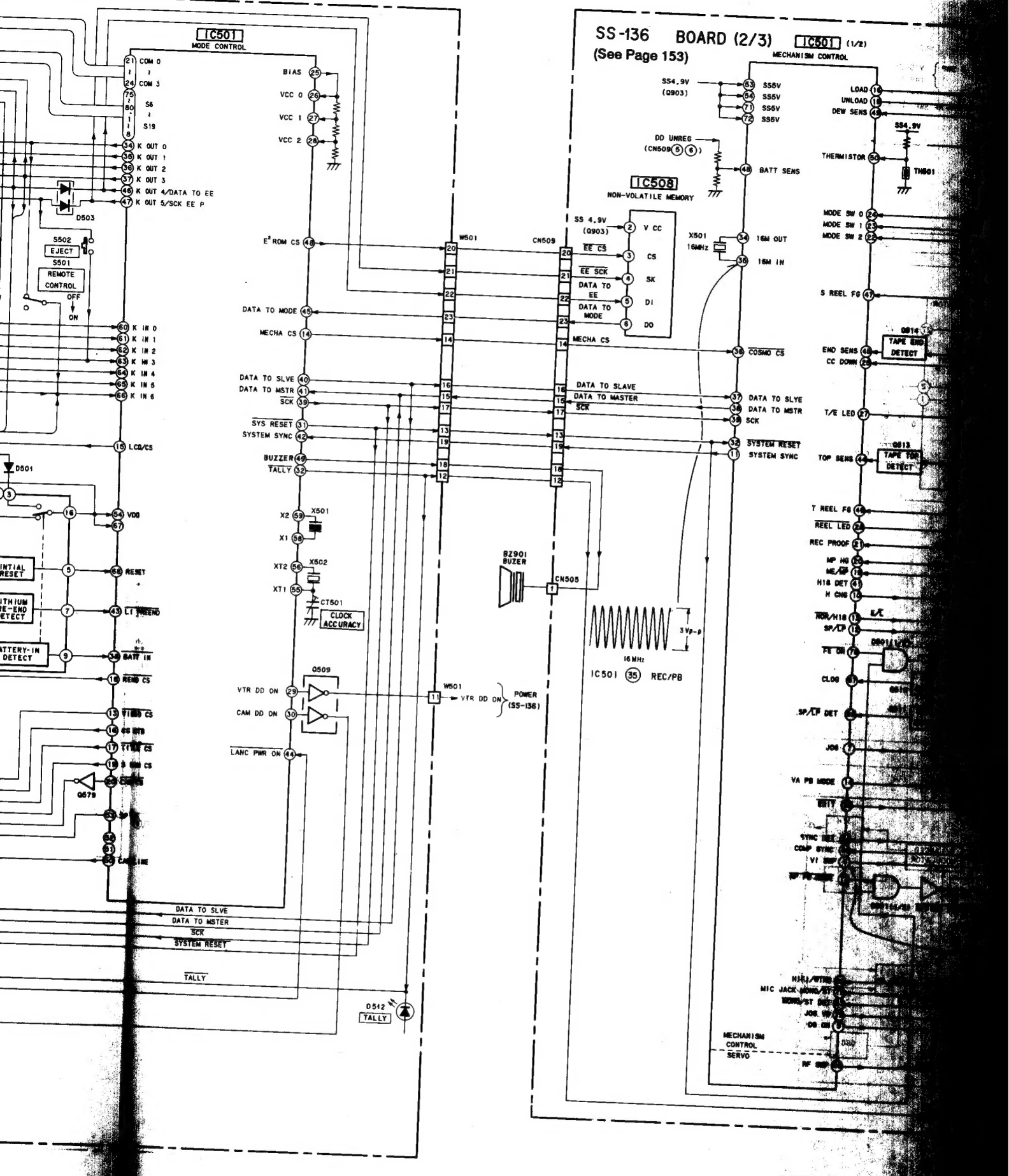

MD BLOCK
IC503 (1/2)
DRUM MOTOR DRIVE
MOTOR UNREG (CN509 7 8)
SS4.9V (Q903)
DRUM VS
W510
DRM COM
VCC2 VCC1
COM
VS
REF
OVER-HEAT PROTECT
ROTER POSITION DETECT
U IN
V IN
W IN
LPF
D506 DRM ON
STBY
START CONTROL
TIMING CONTROL
SOFT SWITING DRIVE
OUTPUT DRIVE BUFFER
OUTPUT DRIVE
CAP ON
DRM RVS
DIR
DRM BRK
BRAKE
I COM
DRM U
DRM V
DRM W
M901 DRUM MOTOR
Q540
SILENCER
R548-551 DRUM DRIVE CURRENT SENS
IC504
CAPSTAN MOTOR DRIVE
VS
CAP FWD/RVS
FRC
CAP ON
STBY
POWER OFF
120° LOGIC
W505
CAP U
CAP V
CAP W
M902 CAPSTAN MOTOR
SS4.9V (Q903)
Vcc1
Vcc3
MOTOR UNREG (CN509 7 8)
Vcc2
HE POWER
HE Vcc
HE GND
UHE (+)
VHE (+)
WHE (+)
VN-
VN+
HALL DEVICE

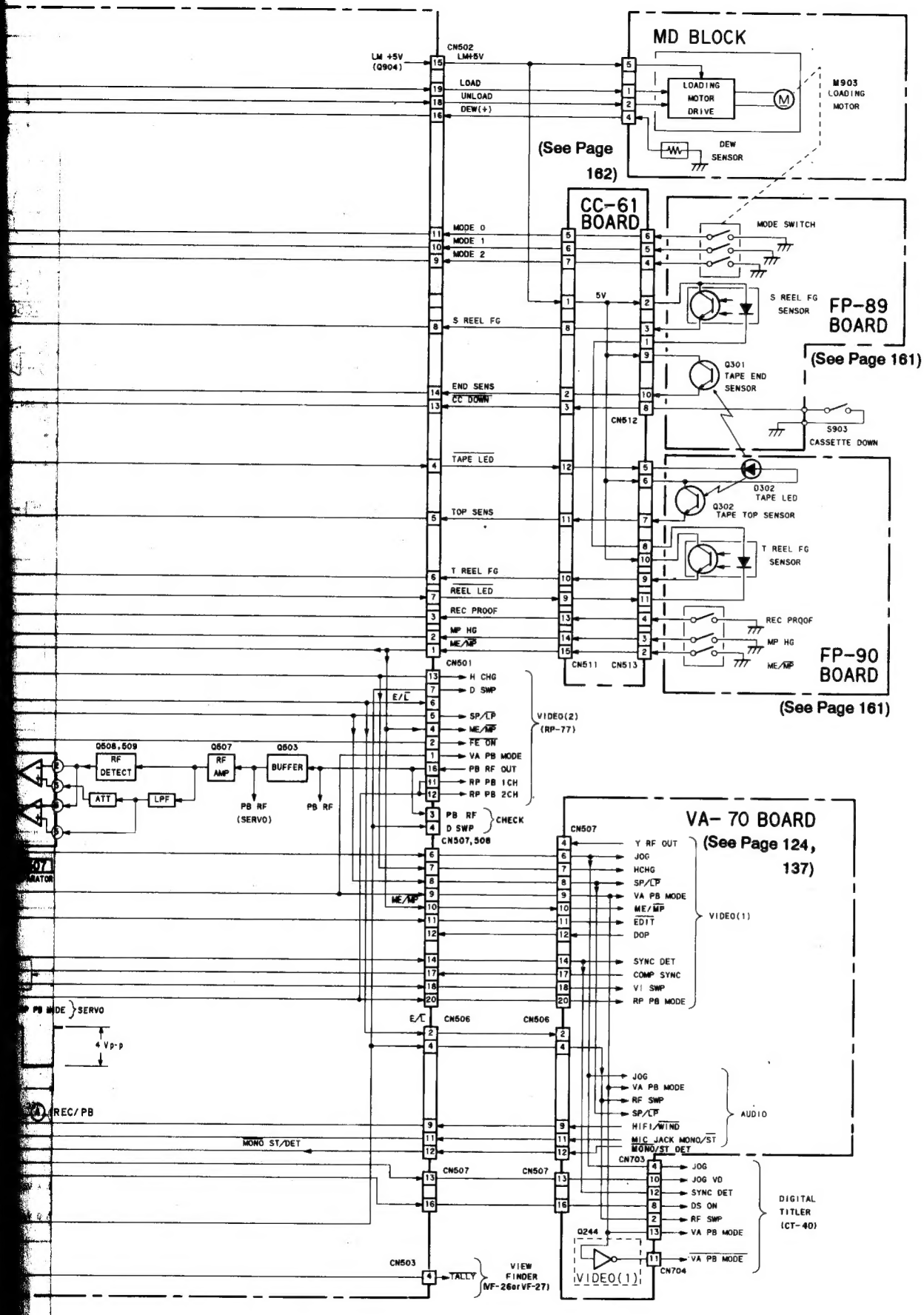

DRUM VS
IC503 (1/2)
DRUM MOTOR DRIVE
COM
VS
W510
DRM COM
MD BLOCK
U IN
V IN
W IN
LPF
ROTER POSITION DETECT
TIMING CONTROL
SOFT SWITING DRIVE
OUTPUT DRIVE BUFFER
OUTPUT DRIVE
DRM U
DRM V
DRM W
M901 DRUM MOTOR
I COM
R548-551 DRUM DRIVE CURRENT SENS
Q540
SILENCER
IC504
CAPSTAN MOTOR DRIVE
120° LOGIC
W505
CAP U
CAP V
CAP W
M902 CAPSTAN MOTOR
HE POWER
HE Vcc
VN-
VN+
VHE (+) (-)
WHE (+) (-)
UHE(+),(-)
VHE(+),(-)
WHE(+),(-)
HE GND
HALL DEVICE

3-10. SYSTEM CONTROL BLOCK DIAGRAM




VK-16
BOARD
(See Page 167)
LCD ASSY
MD901
LIQUID CRYSTAL DISPLAY
RESET
ZERO MEM
CN504
CN501
CN502
W551
W670
W502
W550
S502 DS
S512 FRAME
S510 E.AUS
S610 REC
S505 PAUSE
S509 EVENT
S507 DATE
S506 TIME
S620 PB
S513 SLOW
S503 FF
S504 STOP
S500 REW
S515 BUZZER
S514 POWER
PLAYER
CAMERA
S502 EJECT
S501 REMOTE CONTROL
S511 EDIT
D503
D501
(See Page 168)
DK-12 BOARD
CN950
S951 TITLE2
S950 TITLE 1
S953 MEMO
S952 COLOR
S921 EDIT+
S920 EDIT-
IC950
SIRCS CONTROL
SIRCS IN
D920 TALLY
X950
700kHz
IC503
EVER 5V REG
IC502
INTIAL RESET
LITHIUM PRE-END DETECT
BATTERY-IN DETECT
IC670
LCD DRIVE
X670 40MHz
S400 HIFI SOUND
CN704
CN703
CN606
Q247
Q246
Q245
Q579
EASY CONNECTOR
LANC
(See Page 182)
FU-104 BOARD


SS-136 BOARD (2/3)
(See Page 153)
IC501
MODE CONTROL
MECHANISM CONTROL
IC508
NON-VOLATILE MEMORY
BIAS
VCC 0
VCC 1
VCC 2
K OUT 0
K OUT 1
K OUT 2
K OUT 3
K OUT 4/DATA TO EE
K OUT 5/SCK EE P
D503
S502
EJECT
S501
REMOTE CONTROL
OFF
ON
K IN 0
K IN 1
K IN 2
K IN 3
K IN 4
K IN 5
K IN 6
LCD/CS
D501
VDD
RESET
LT SPEED
BATT IN
REMO CS
E²ROM CS
DATA TO MODE
MECHA CS
DATA TO SLVE
DATA TO MSTR
SCK
SYS RESET
SYSTEM SYNC
BUZZER
TALLY
X501
X502
CT501
CLOCK ACCURACY
Q509
VTR DD ON
CAM DD ON
LANC PWR ON
W501
CN509
SS 4.9V (Q903)
EE CS
EE SCK
DATA TO EE
DATA TO MODE
MECHA CS
DATA TO SLAVE
DATA TO MASTER
SCK
SYSTEM RESET
SYSTEM SYNC
BZ901 BUZZER
CN505
3Vp-p
16MHz
IC501 (35) REC/PB
SS4.9V (Q903)
SS5V
DD UNREG (CN509 5 6)
BATT SENS
X501 16MHz
16M OUT
16M IN
COSMO CS
DATA TO SLVE
DATA TO MSTR
SCK
SYSTEM RESET
SYSTEM SYNC
LOAD
UNLOAD
DEW SENS
THERMISTOR
TH901
MODE SW 0
MODE SW 1
MODE SW 2
S REEL FG
TAPE END DETECT
END SENS
CC DOWN
T/E LED
TAPE TOP DETECT
TOP SENS
T REEL FG
REEL LED
REC PROOF
H16 DET
SP/LP DET
JOG
VA PB MODE
MIC JACK
MECHANISM CONTROL SERVO
POWER (SS-136)
D512
TALLY


MD BLOCK
LOADING MOTOR DRIVE
M903 LOADING MOTOR
DEW SENSOR
(See Page 162)
CC-61 BOARD
MODE SWITCH
S REEL FG SENSOR
FP-89 BOARD
(See Page 161)
Q301 TAPE END SENSOR
S903 CASSETTE DOWN
Q302 TAPE LED
Q302 TAPE TOP SENSOR
T REEL FG SENSOR
REC PROOF
MP HG
ME/MP
FP-90 BOARD
(See Page 161)
CN502
LM +5V (Q904)
LOAD
UNLOAD
DEW(+)
MODE 0
MODE 1
MODE 2
S REEL FG
END SENS
CC DOWN
TAPE LED
TOP SENS
T REEL FG
REEL LED
REC PROOF
MP HG
ME/MP
5V
CN512
CN511
CN513
CN501
H CHG
D SWP
E/E
SP/LP
ME/MP
FE ON
VA PB MODE
PB RF OUT
RP PB 1CH
RP PB 2CH
VIDEO(2) (RP-77)
Q508,509 RF DETECT
Q507 RF AMP
Q503 BUFFER
ATT
LPF
PB RF (SERVO)
PB RF
PB RF
D SWP
CHECK
CN507,508
VA-70 BOARD
(See Page 124, 137)
CN507
Y RF OUT
JOG
HCHG
SP/LP
VA PB MODE
ME/MP
EDIT
DOP
VIDEO(1)
SYNC DET
COMP SYNC
V SWP
RP PB MODE
SERVO
4 Vp-p
REC/PB
E/E
CN506
CN506
JOG
VA PB MODE
RF SWP
SP/LP
HIFI/WIND
MIC JACK MONO/ST
MONO/ST DET
AUDIO
MONO ST/DET
CN507
CN507
CN703
JOG
JOG VD
SYNC DET
DS ON
RF SWP
VA PB MODE
DIGITAL TITLER (CT-40)
Q244
VA PB MODE
CN704
VIDEO(1)
CN503
TALLY
VIEW FINDER (VF-26 or VF-27)